



MarineMaster® Ship to Shore Transfer Hose

Composite Hose Type 1151GGP, 3161PGP and 3164PSP

Applications: This type is designed for use as a bulk hydrocarbon or chemical transfer hose from barges, ships, jetties or for heavy duty in-plant uses where high flexibility and resistance to kinking is required.

Construction:

Color/Cover: 1151GGP Royal Blue/Double PVC coated Nylon, Abrasion, UV and Ozone resistant
3161PGP Grey/Double PVC coated Nylon, Abrasion, UV and Ozone resistant
3164PSP Grey yellow stripe/Double PVC coated nylon, Abrasion, UV and ozone resistant

Inner Wire: 1151GGP Galvanized Steel
3161PGP, 3164PSP Black Polypropylene coated steel

Inner lining: High Grade Polypropylene

Carcass: Polypropylene fabrics, films and Polypropylene/and seamless tubes

Outer Wire: 1151GGP, 3161PGP Galvanized Steel
3164PSP T316 Stainless Steel

Logo: MarineMaster®

Physical properties:

Temperature Range: -22°F to +212°F (-30°C to +100°C)

Maximum elongation: ≤10% on test pressure

Vacuum range: 26 inHg (660 mmHg), 0.9 bar

Electrical properties: Electrically Conductive
≤1.0 ohm/m for size 2"

Standards: EN13765:2010, IMO, IBC, BS5842, USCG 33CFR 154.500

End Fittings: Specially designed end fittings have been developed for use with Willcox Composite hoses that have a unique leak-proof sealing face and specially machined helical spiral shank which engages into the corresponding internal helix wire when secured into the hose by either crimping or swaging the external ferrules. See page 28 for more information about end connections.

TECHNICAL DATA: TYPE 1151GGP, 3161PGP AND 3164PSP

Inside Diameter		Working Pressure		Min. Bend Radius		Approx Weight		Maximum Length	
Inches	mm	PSI	Bar	Inches	mm	lb/ft	kg/m	Feet	Meters
4	100	250	17.5	16	400	4.4	6.5	100	30
6	150	250	17.5	20	500	7	10.5	100	30
8	200	250	17.5	29	740	12	18	100	30
10	250	100	14	36	920	15	23	40	12

Pressure based on safety factor 4:1

Dimensions and weight are approximate and are subject to change

For additional technical data such as pressure drop, max. flow rates and tensile strength, please consult United Flexible engineering

Increased operating temperatures will reduce working pressure of the assemblies

Fitting pressure rating may limit or reduce the rated working pressure of the assembly

Rated working pressure is @ 70°F (21°C)